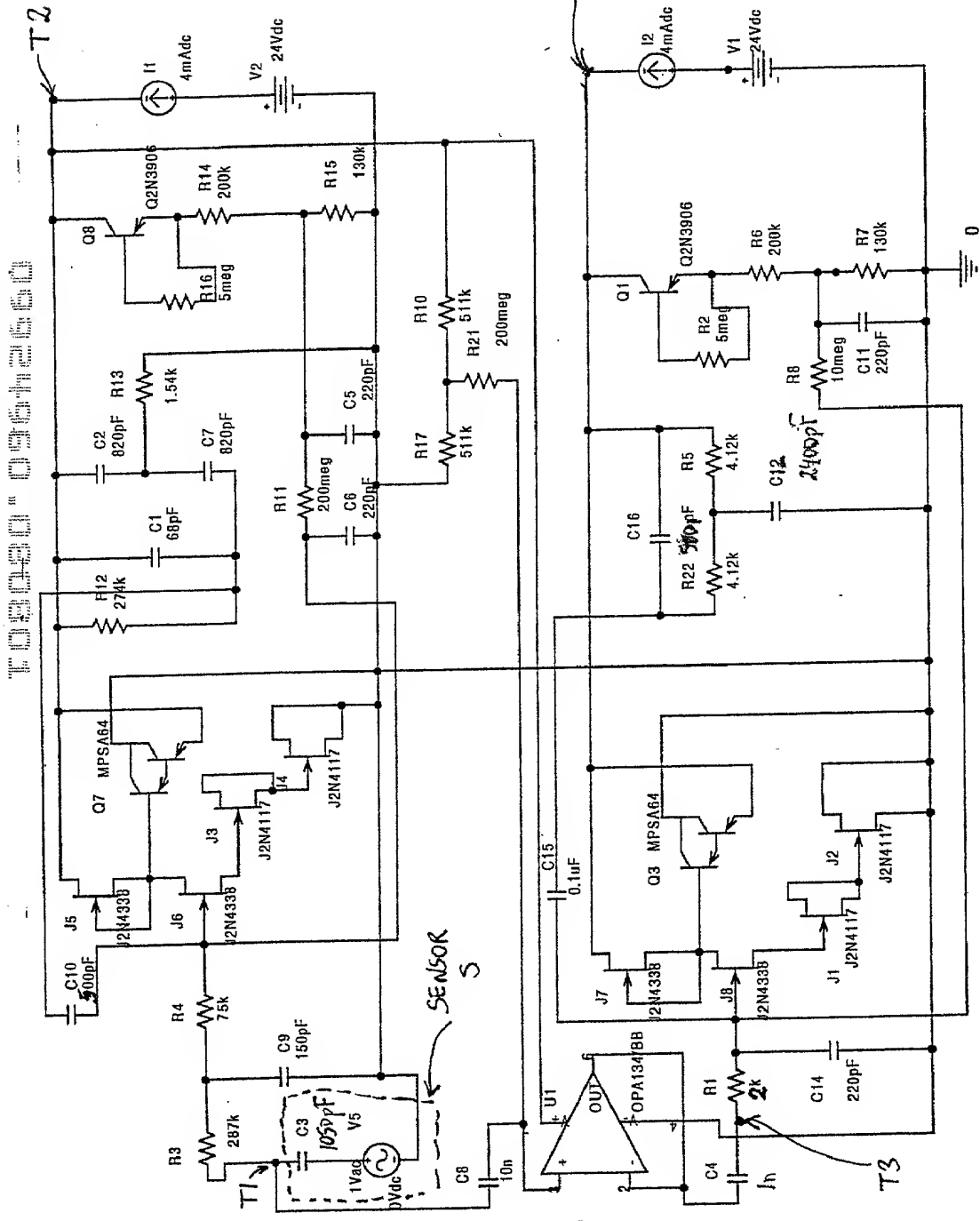


FIGURE 1



TRANSDUCER
13

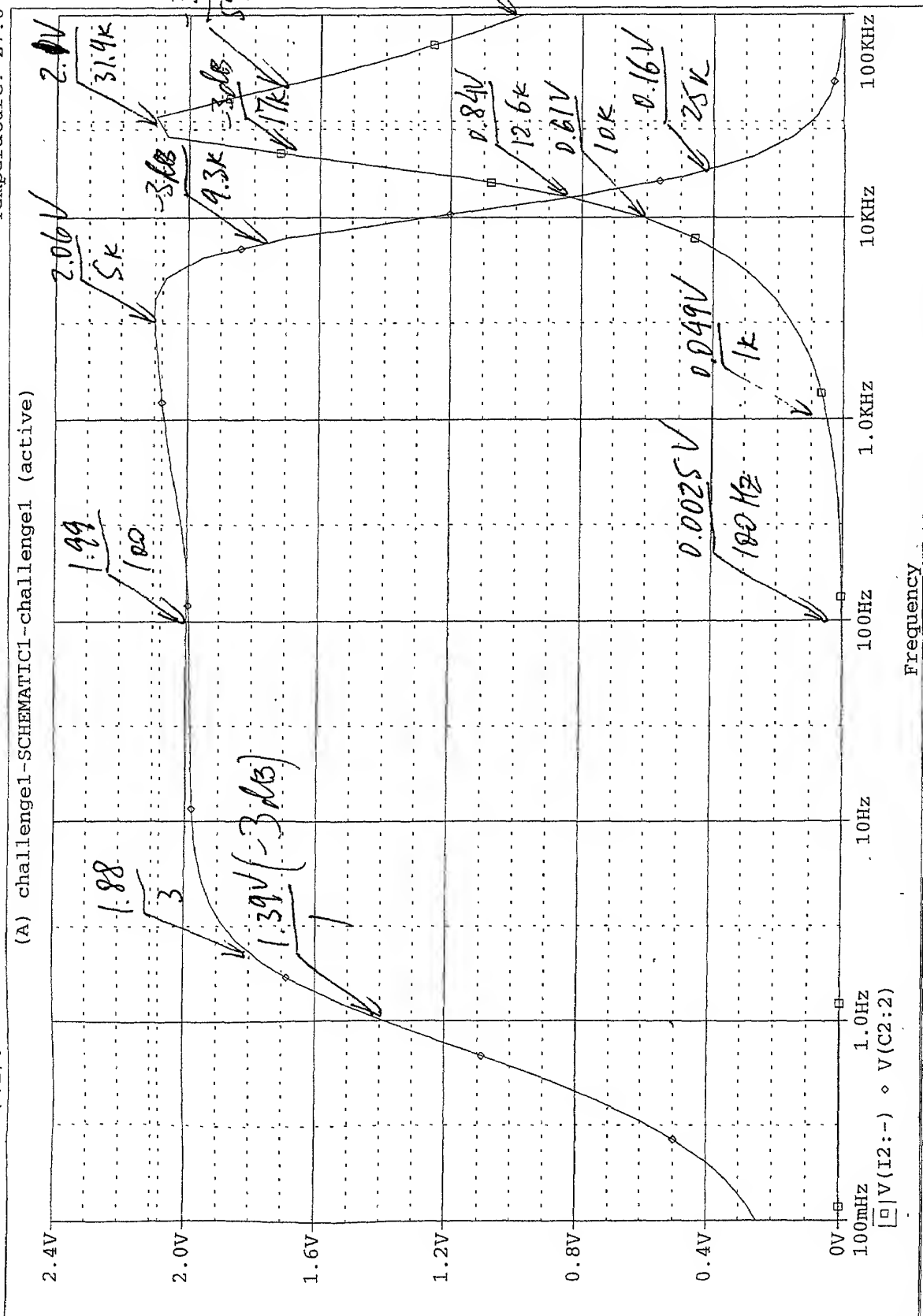
Fig. 2

11

Date/Time run: 05/02/00 13:45:58

(A) challenge1-Schematic1-challenge1 (active)

Temperature: 27.0



	Frequency
A1: (27.361K, 2.0764)	A2: (100.000m, 745.615u) DIFF(A): (27.361K, 2.0756)

Date: May-02, 2000

Time: 13:46:18

File 3

Docket No.: 15/5,2003-001
Title: HIGH AND LOW FREQUENCY...
Inventor: Felix A. Levinzon

Docket No., 15/15,2003-0011

Title: HIGH AND LOW FREQUENCY...

Inventor: Felix A. Levinzon

5/2/80

TDS8000 096412415 Channel

X=27.38KHZ
Ya=6.22601 dB
FREQ RESP
10.0

$V_B = 13.4V$

$T = 28^{\circ}C$

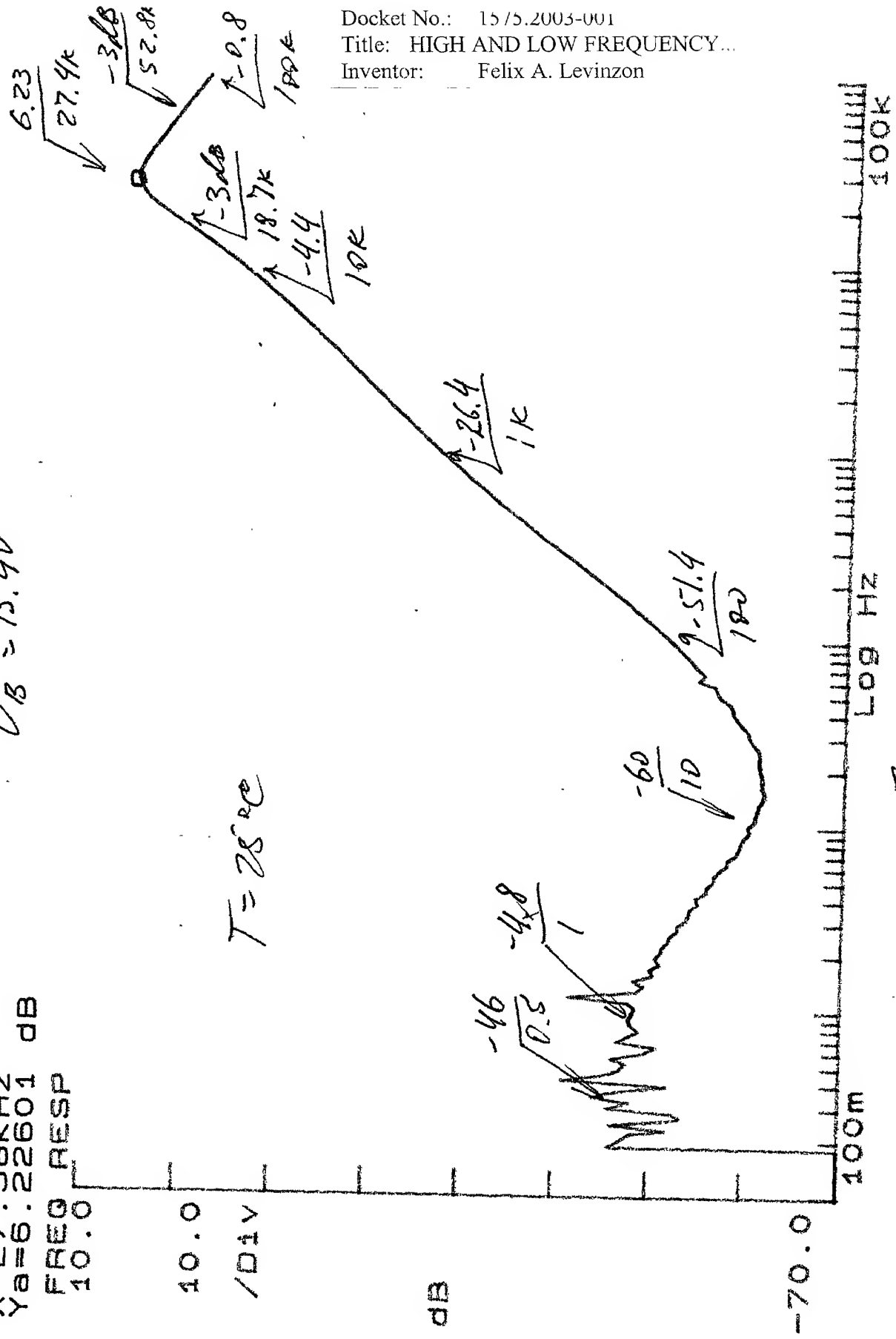


Fig. 4

5/2/00

COULBO DETECTOR Channel

$V_B = 11.1V$

X=27.38KHZ dB
Ya=6:30532
FREQ RESP
10.0

10.0

/Div

dB

-70.0

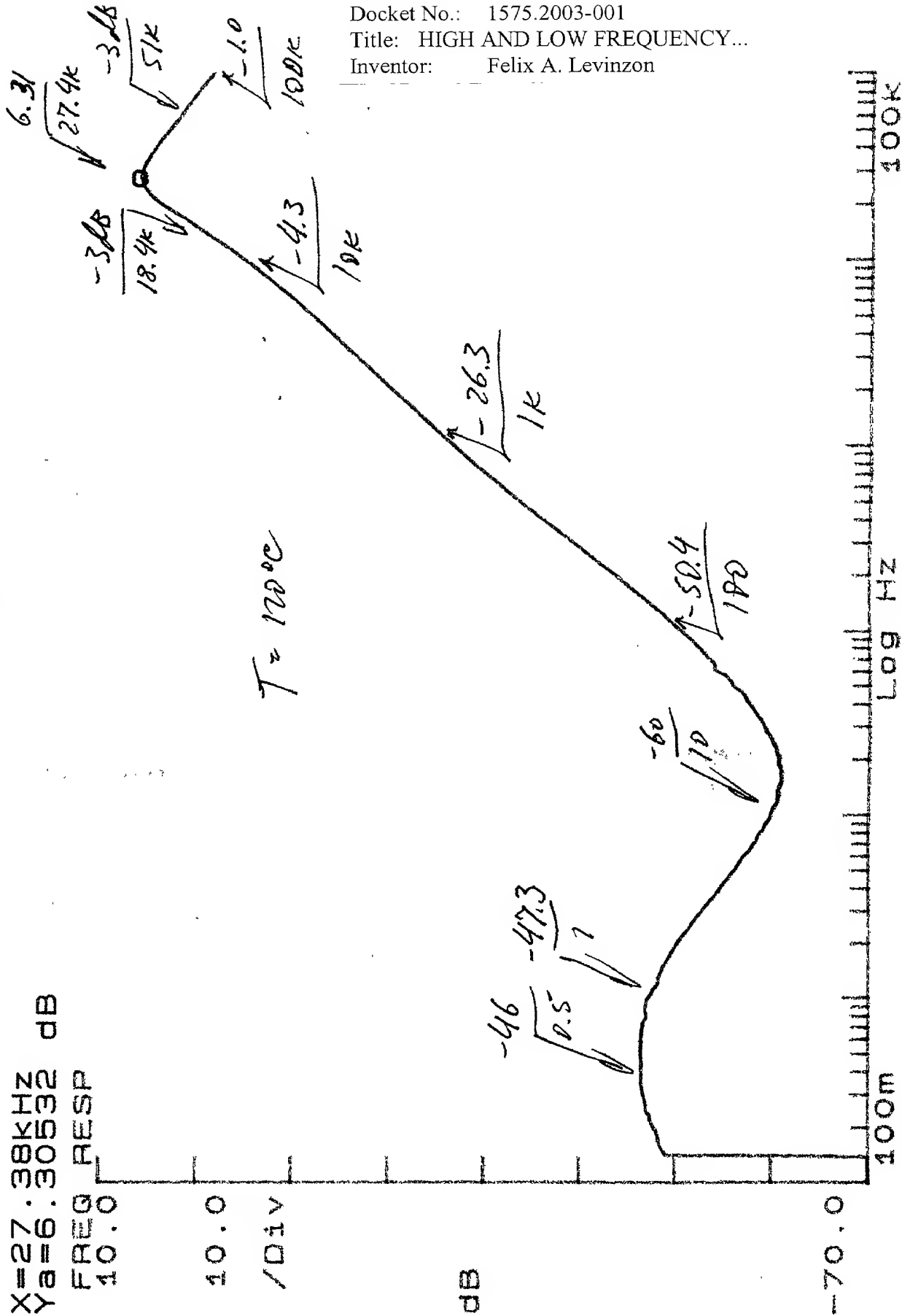


Fig. 5

5/2/80

LF Channel

$V_B = 12.7V$

X=100 HZ
 Y=6.4517 dB

FREQ RESP
 16.0

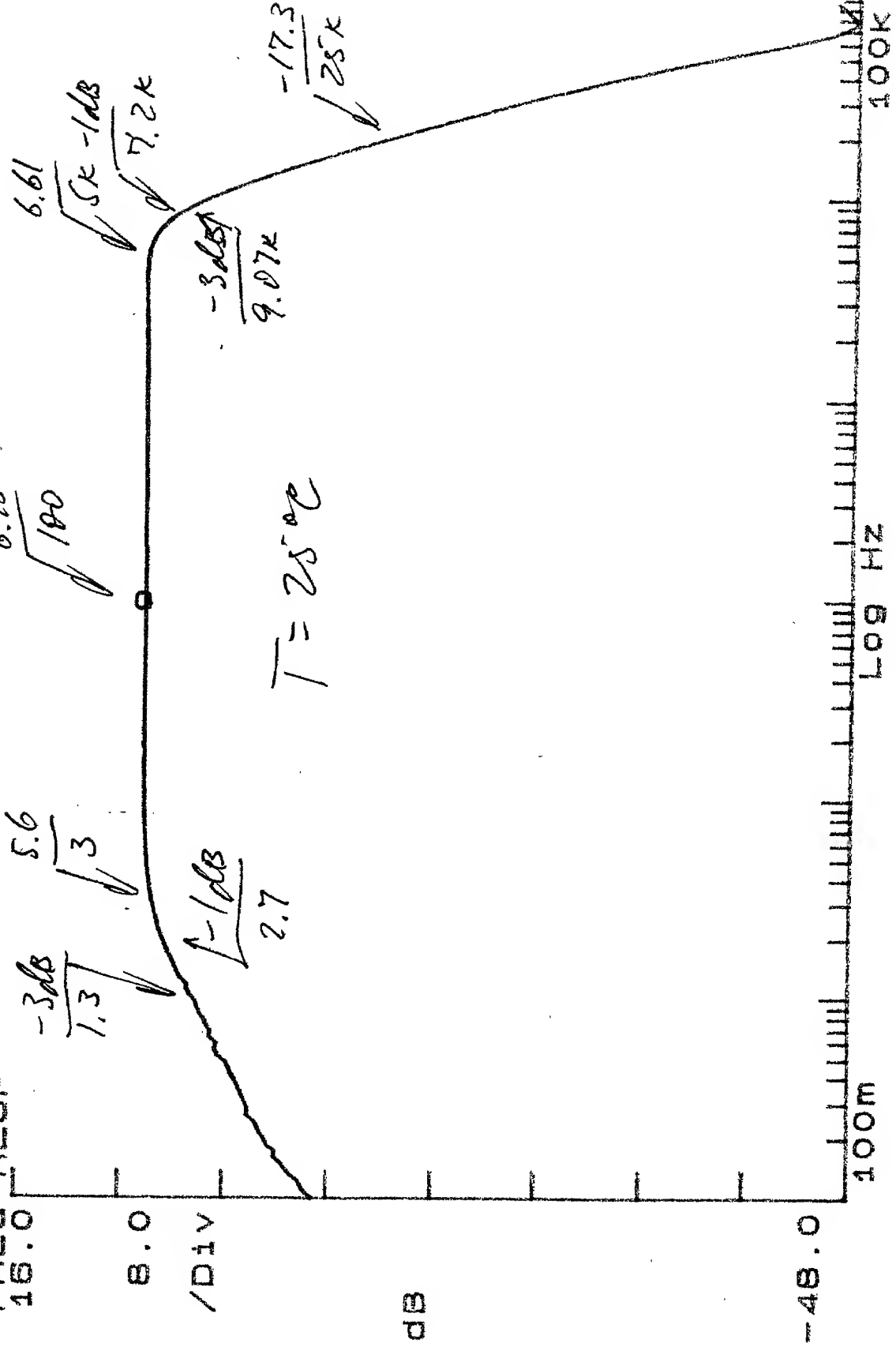


Fig. 6

FIG. 7

5/2/00

LF Channel

$V_B = 10.7V$

X=100 HZ
 Ya=6.4987 dB
 FREQ RESP
 16.0

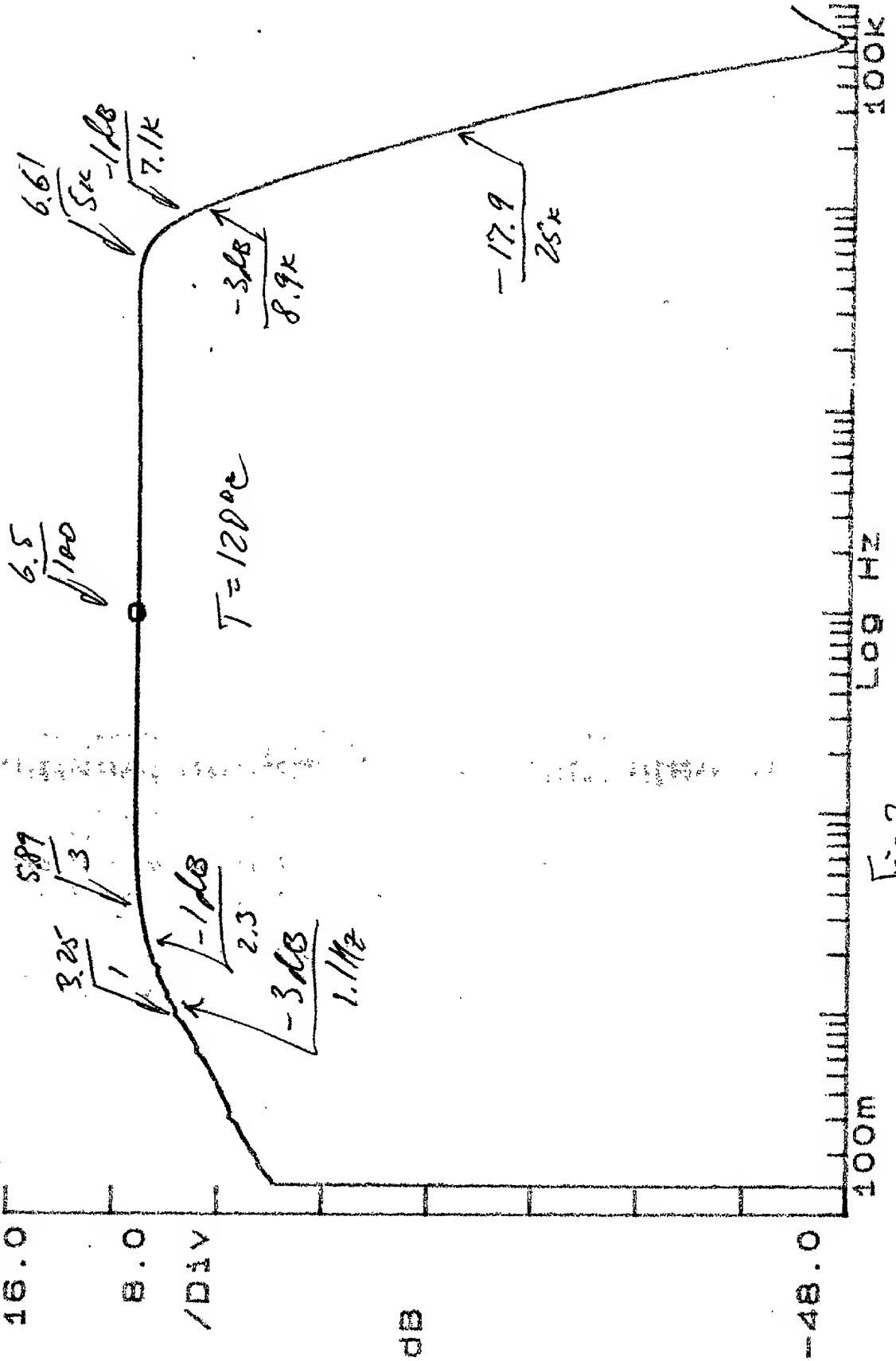


Fig. 7

TD8080" 09642550

8/3/80

LF Channel $V_n(1-30K) = 28 \mu V rms$
 $V_n(1-10K) = 21 \mu V rms$

$X=1.029 \text{ Hz}$
 $Y_a=2.83001 \mu V / \sqrt{Hz}$
 POWER SPEC1
 4.0 μ
 500
 /Div
 $T=250C$
 $3AVG \quad 0\%OVLP$
 $LF \rightarrow V.S. - Buffer$
 $HF \rightarrow Line, 24V, 24V, 4\mu s$

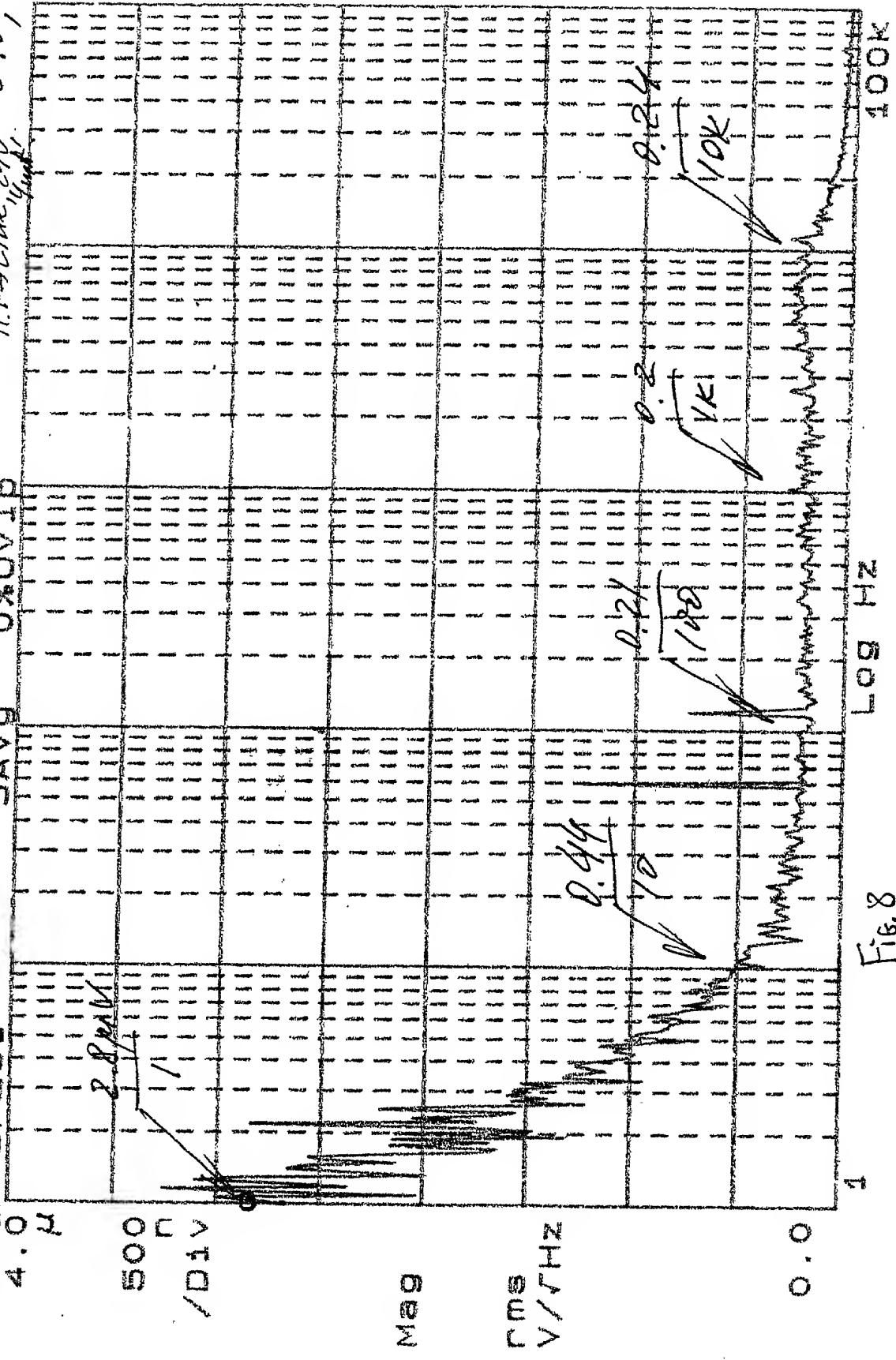


Fig. 8

TO0000" 09642660

5/3/80

$V_n(1-30K) = 15 \mu V rms$
 $V_n(1-100K) = 22 \mu V rms$

HF Channel

L.F. - Battery 24V, 4mA
 H.F. - Line, 24V, 4mA

X=1.059 HZ
 Ya=2.69781 $\mu V / \sqrt{Hz}$

POWER SPEC1
 6.4 μ

3AVG 0%OVIP

QV1

$T = 25^\circ C$

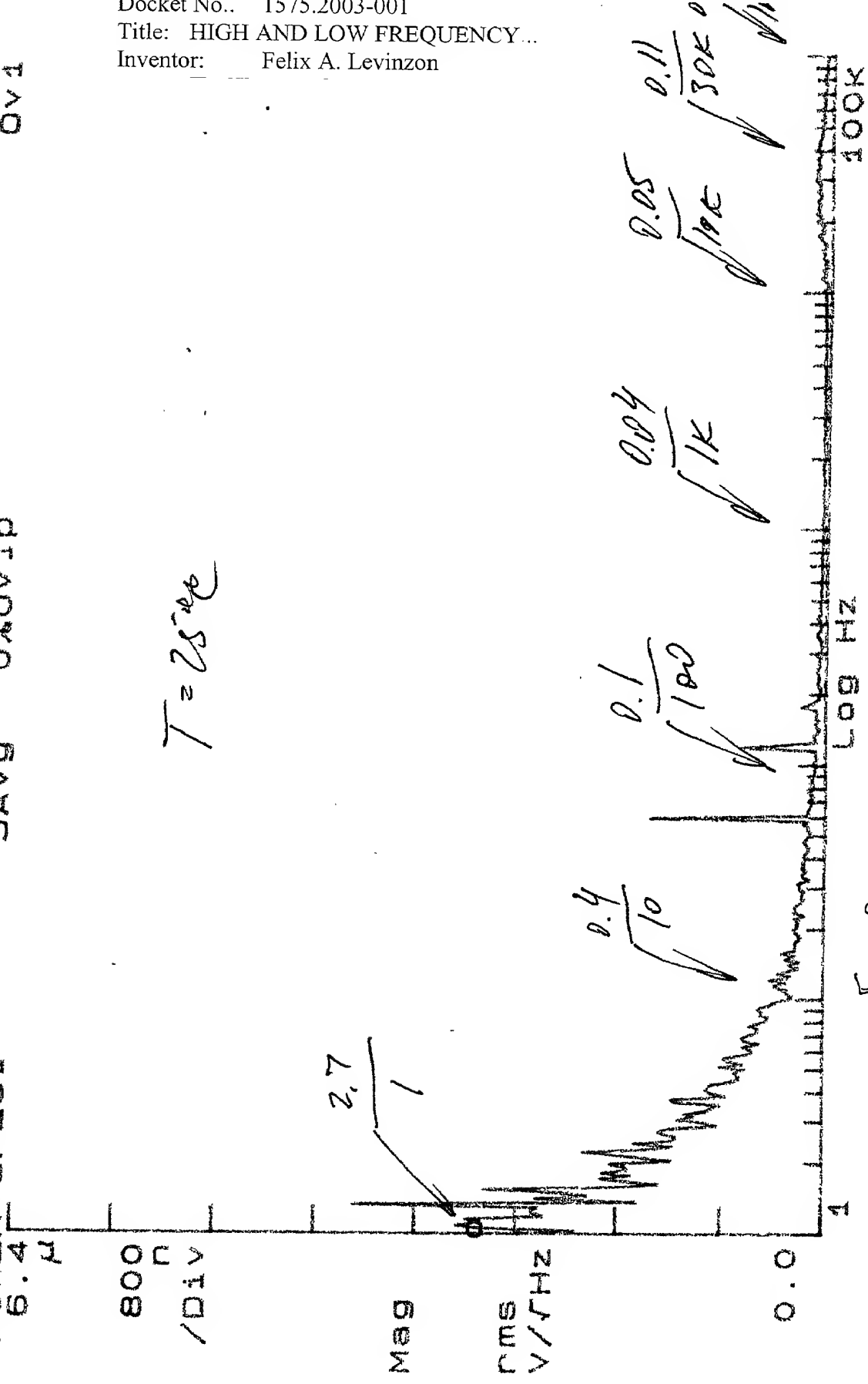


Fig. 9